

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	((caramic ADJ slurry) OR (print ADJ paste)) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotycl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotycle ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl) AND (amine NEAR surfactant)	US-PGPUB; USPAT	OR	ON	2009/09/22 16:12
L2	114	((caramic ADJ slurry) OR (print ADJ paste)) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotycl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotycle ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl)	US-PGPUB; USPAT	OR	ON	2009/09/22 16:16
L3	13	((caramic ADJ slurry) OR (print ADJ paste)) AND (polyvinyl ADJ butyral OR polyacetal) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotycl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotycle ADJ adipic ADJ acid OR DOA OR sebacic	US-PGPUB; USPAT	OR	ON	2009/09/22 16:19

		ADJ acid ADJ ester OR sebacic ADJ dibutyl)				
L4	180	((ceramic ADJ slurry) OR (print ADJ paste)) AND (polyvinyl ADJ butyral OR polyacetal) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotyl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotycle ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl)	US-PGPUB; USPAT	OR	ON	2009/09/22 16:19
L6	39	(ceramic ADJ slurry OR print ADJ paste) AND (terpineol OR Terpene ADJ alcohol OR 1- methanol OR dihydroterpineol OR dihydro ADJ terpineol OR terpiny ADJ acetate OR dihydroterpiny ADJ acetate OR dihydro ADJ terpiny ADJ acetate) AND (polyvinyl ADJ butyral OR polyacetal) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotyl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotycle ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl)	US-PGPUB; USPAT	OR	ON	2009/09/22 16:26

L7	29	(ceramic ADJ slurry OR print ADJ paste) AND (terpineol OR Terpene ADJ alcohol OR 1-methanol OR dihydroterpineol OR dihydro ADJ terpineol OR terpinyl ADJ acetate OR dihydroterpinyl ADJ acetate OR dihydro ADJ terpinyl ADJ acetate) AND (polyvinyl ADJ butyral OR polyacetal) AND (phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotyl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotyle ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl)	US-PGPUB; USPAT	OR	ON	2009/09/22 16:26
S1	3	(binder ADJ resin) AND (polyvinyl ADJ butyral OR polyacetal) AND (polymerization ADJ degree) AND (butyralation ADJ degree) AND (acetalization ADJ degree)	US-PGPUB; USPAT	OR	ON	2008/05/15 16:41
S2	3	(binder ADJ resin) AND (polyvinyl ADJ butyral OR polyacetal) AND (polymerization ADJ degree) AND (butyralation ADJ degree) AND (acetalization ADJ degree)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2008/05/15 16:42
S3	1	("20060197062").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/16 13:04
S4	0	("2006/0197062").URPN.	USPAT	OR	ON	2008/05/16 13:04
S5	798	(Akira AND yamaguchi.in.) OR (shigeki AND satou.in.) OR (yasumichi AND tokuoka.in.)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/05/16 13:44
S6	0	(Akira ADJ yamaguchi.in.) OR (shigeki ADJ satou.in.) OR (yasumichi ADJ tokuoka.in.)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/05/16 13:45

S7	315	(Akira ADJ yamaguchi.in.) OR (yamaguchi ADJ Akira. in.) OR (shigeki ADJ satou. in.) OR (satou ADJ shigeki. in.) OR (yasumichi ADJ tokuoka.in.) OR (tokuoka ADJ yasumichi.in.)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/05/16 13:46
S8	3	("2002043161").PN.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/05/16 14:31
S9	1	("7360305").PN.	USPAT; USOCR	OR	OFF	2008/05/19 09:21
S10	4	("5179773"   "5808856"   "6245171"   "6607690"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/19 09:22
S11	3	("5808856").PN. OR ("6607690").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/19 09:33
S14	3	("2003096207").PN.	DERWENT	OR	OFF	2008/05/19 09:45
S15	1	("2004280614").PN.	USPAT; USOCR; DERWENT	OR	OFF	2008/05/19 09:49
S16	0	("2004-282812").PN.	USPAT; USOCR; DERWENT	OR	OFF	2008/05/19 09:50
S17	1	("2004282812").PN.	USPAT; USOCR; DERWENT	OR	OFF	2008/05/19 09:50
S18	2	(04/282812).APP.	USPAT; USOCR; DERWENT	OR	OFF	2008/05/19 09:51
S19	1	"6599463".pn. AND plasticizer	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/19 16:15
S20	0	"5429846".pn. AND plasticizer	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/19 16:18
S21	1	"6607690".pn. AND plasticizer	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/19 16:18
S22	2	(binder ADJ resin) AND (polyvinyl ADJ butyral OR polyacetal) AND ((caramic ADJ slurry) OR (print ADJ paste)) AND plasticizer	US-PGPUB; USPAT	OR	ON	2008/05/19 16:45
S23	5	(binder ADJ resin) AND ((caramic ADJ slurry) OR (print ADJ paste)) AND plasticizer	US-PGPUB; USPAT	OR	ON	2008/05/19 16:46

S24	3	("2002043164").PN.	USPAT; USOCR; DERWENT	OR	OFF	2008/05/19 16:52
S25	5	(binder ADJ resin) AND ((caramic ADJ slurry) OR (print ADJ paste)) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotycl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotycle ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl)	US-PGPUB; USPAT	OR	ON	2008/05/20 16:19
S26	103	((caramic ADJ slurry) OR (print ADJ paste)) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotycl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotycle ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl)	US-PGPUB; USPAT	OR	ON	2008/05/20 16:21
S27	15	((ceramic) AND (print ADJ paste)) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotycl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotycle ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl)	US-PGPUB; USPAT	OR	ON	2008/05/20 16:30

S28	103	(print ADJ paste) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotyl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotyle ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl)	US-PGPUB; USPAT	OR	ON	2008/05/20 16:42
S29	3	"2002313672".pn.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/05/20 16:55
S30	0	("2002313672.DID.").PN.	USPAT; USOCR; DERWENT	OR	OFF	2008/05/20 16:58
S31	7	(02/313672).APP.	USPAT; USOCR; DERWENT	OR	OFF	2008/05/20 16:58
S32	478	(428/34.4).CCLS.	USPAT; USOCR	OR	OFF	2008/05/21 11:11
S33	243	(264/614).CCLS.	USPAT; USOCR	OR	OFF	2008/05/21 11:22
S34	2	(10/067567).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:02
S35	1	("6206756").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:05
S36	0	("1996206756").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:06
S37	0	(96/206756).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:06
S38	0	(56/094719).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:07
S39	1	("5694719").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:07
S40	0	("jp-56094719-\$.did.").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:08
S41	0	("jp-5694719-\$.did.").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:08
S42	0	("jp-6206756-\$.did.").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:09
S43	0	("jp-3074820-\$.did.").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:10

S44	0	(03/074820).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:10
S45	0	("jp-9-106925-\$.did.").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:11
S46	0	("jp-9106925-\$.did.").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:11
S47	3	(09/106925).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:12
S48	3	("9106925").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:12
S49	0	(99/106925).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:12
S50	0	("2001-237140").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:13
S51	2	("2001237140").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:13
S52	0	("200243164").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:13
S53	4	("2002043164").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:14
S54	3	("2002313672").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:15
S55	2	("2001232617").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:15
S56	0	("1996206756").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:16
S57	0	("1994206756").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:16
S58	0	("1996206756").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:16
S59	0	("1981094719").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:23
S60	0	(81/094719).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:23
S61	0	("jp-1981094719-\$.did.").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:24
S62	0	("jp-81094719-\$.did.").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:24
S63	0	("jp-1981094719-\$.did.").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:32
S64	0	("jp-2002043164-\$.did.").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:33
S65	4	("2002043164").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:33
S66	0	("1994206756").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:33

S67	0	(94/206756).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:33
S68	1	(06/206756).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:34
S69	0	(56/094719).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:34
S70	0	("1981094719").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:34
S71	0	(81/094719).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:34
S72	0	(03/074820).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:35
S73	0	("1991074820").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:35
S74	1	(91/074820).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:35
S75	3	(09/106925).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:36
S76	0	("1997106925").PN.	JPO; DERWENT	OR	OFF	2008/05/21 13:36
S77	0	(97/106925).APP.	JPO; DERWENT	OR	OFF	2008/05/21 13:36
S78	5	("2357280").PN.	EPO; DERWENT	OR	OFF	2008/05/21 13:44
S79	3	("2370568").PN.	EPO; DERWENT	OR	OFF	2008/05/21 13:44
S80	0	("0370569").PN.	EPO; DERWENT	OR	OFF	2008/05/21 13:45
S81	2	("2370569").PN.	EPO; DERWENT	OR	OFF	2008/05/21 13:45
S82	1	("5429846").PN.	EPO; DERWENT	OR	OFF	2008/10/14 10:40
S83	2	("5429846").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/10/14 10:41
S86	0	"5429846" AND surfactant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/10/14 10:42
S87	2	"5429846" AND (surfactant OR amine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/10/14 10:42



S88	1	"6599463" AND (surfactant OR amine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/10/14 10:43
S89	0	"6599463" AND (cation\$3 NEAR amine NEAR surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/10/14 10:47
S90	0	(print ADJ paste) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotyl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotyl ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl) AND (cation\$3 NEAR amine NEAR surfactant)	US-PGPUB; USPAT	OR	ON	2008/10/14 10:47
S91	104	(print ADJ paste) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotyl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotyl ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl)	US-PGPUB; USPAT	OR	ON	2008/10/14 10:48
S92	0	((caramic ADJ slurry) OR (print ADJ paste)) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotyl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotyl ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl) AND	US-PGPUB; USPAT	OR	ON	2008/10/14 10:48

		(cation\$3 NEAR amine NEAR surfactant)				
S93	2	((caramic ADJ slurry) OR (print ADJ paste)) AND (plasticizer OR phthalate ADJ ester OR dibutyl ADJ phthalate OR DBP OR diotycl ADJ phthalate OR DOP OR benzylbutyl ADJ phthalate OR BBP OR butyl ADJ butylene ADJ glycol OR BPBG OR adipic ADJ acid ADJ ester OR diotycle ADJ adipic ADJ acid OR DOA OR sebacic ADJ acid ADJ ester OR sebacic ADJ dibutyl) AND (amine NEAR surfactant)	US-PGPUB; USPAT	OR	ON	2008/10/14 10:48

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